



## Rumely OilPull Tractor—20-40 H. P.

The 20-40 OilPull makes an ideal combination with a 28 in. x 48 in. or 32 in. x 52 in. Ideal separator. Its reserve power, economical performance, and steadiness on the belt makes it a favorite for threshing. It is equally efficient on the drawbar. It will pull six 14 in. moldboard plows under average conditions and a proportionate number of disc plows. It will successfully handle a 10 ft. road grader.

### Specifications

**Rating**—Drawbar horsepower 20; brake horsepower 40.

**Motor**—Heavy duty, kerosene burning, 2 cylinder, 8 in. bore; 10 in. stroke, 450 R. P. M. Crankshaft complying with Naval specifications,  $3\frac{3}{8}$  in. diameter. Three main bearings, total length  $18\frac{7}{8}$  in. Connecting rod bearings, length (crank end)  $3\frac{7}{8}$  in.; piston end  $4\frac{1}{8}$  in.

**Carburetor**—Special OilPull carburetor, design extremely simple, no floats, springs, balls, or complicated parts. Automatically regulates the correct amount of fuel to suit the given load.

**Cooling**—Special OilPull cooling system, oil cooled, pump circulation—radiator 28 flat, pressed, galvanized steel sections securely bolted together, enclosed in sheet steel case, air circulation induced by exhaust—



no evaporation, no freezing, no rust, no sediment, an even motor temperature, no fan to consume power, radiator will last the life of the tractor.

**Belt Pulley**—Directly mounted on crankshaft, 26 in. diameter; face 9 in. Internal expanding shoe clutch. Raybestos lined brake.

**Transmission**—2 speeds forward, 2 and 3.2 M. P. Hr., and 1 reverse. Spur gears, low carbon steel, heat treated and case hardened, with the following liberal widths of face: high speed back gear  $2\frac{3}{4}$  in.; low speed back gear  $2\frac{13}{16}$  in.; forward drive back gear 4 in.; high speed sliding pinion  $2\frac{1}{2}$  in.; low speed sliding pinion 3 in.; differential gear  $3\frac{3}{4}$  in.; shafts, heat treated steel; back gear shaft  $2\frac{3}{4}$  in. diameter; sliding gear shaft  $2\frac{3}{4}$  in. diameter, gears enclosed and running in oil. Hyatt high duty roller bearings on all shafts.

**Final Drive**—Master gears, semi-steel,  $4\frac{1}{2}$  in. width of face. Master pinion, heat treated, case hardened low carbon steel,  $4\frac{3}{4}$  in. Differential shaft,  $2\frac{3}{4}$  in. diameter. Rear axle 4 in. diameter, running on Hyatt roller bearings.

**Wheels**—Rear, diameter 64 in.; face 20 in.; front, 44 in. diameter; face 8 in.

**Fuel Tank Capacity**—Kerosene 41 gal.; water 29 gal.; gasoline 1 gal. Capacity of radiator and cooling system  $17\frac{1}{2}$  gal.

**General Dimensions**—Width over all (without extensions) 7 ft. 5 in. Height over all 9 ft. Length over all 14 ft. 7 in.

**Equipment**—Standard and special equipment as described on page 24.